

**WRC-99 ADVISORY COMMITTEE
INFORMAL WORKING GROUP (IWG)**

TERMS OF REFERENCE

IWG-2

NGSO Mobile-Satellite Service below 1 GHz

Using the Amended Charter for the WRC-99 Advisory Committee as a basic document, the Terms of Reference of IWG-2 are to draft and justify, for consideration by the Committee as a whole, recommendations for U.S. proposals and positions related to:

- (1) the constraints on existing allocations and additional allocations on a worldwide basis for the non-GSO/MSS below 1 GHz in accordance with Resolution 214 (Rev. WRC-97), Resolution 219 (WRC-97) (previously COM5-25) and Resolution 728 (WRC-97) (previously COM5-14).
- (2) the allocations on a worldwide basis for feeder links in bands around 1.4 GHz to the non-GSO/MSS with service links operating below 1 GHz in accordance with Resolution 127 (WRC-97) (previously COM5-15).
- (3) any consequential changes to relevant parts of the Radio Regulations;
- (4) any related matters identified by the Designated Federal Officers.

Recommendations for U.S. proposals and positions related to the above shall be supported by narrative text and technical justification, including supporting studies. Any proposals involving changes to the ITU's Radio Regulations shall be accompanied by specific proposals in the proper ITU format regarding modifications to the text of the Radio Regulations. All proposals and any relevant documents developed in IWG-2 shall be provided to the WRC-99 Advisory Committee for consideration as a recommendation to FCC. All proposals shall also be provided to the FCC in electronic format. The Federal Officer or Advisory Committee Chair may expand the terms of reference of this Group.

**WRC-99 INDUSTRY ADVISORY COMMITTEE
INFORMAL WORKING GROUP (IWG)**

IWG-2 WORK PROGRAM

IWG-2

NGSO Mobile-Satellite Service below 1 GHz

IWG-2 should develop proposals and recommendations relating to the following elements:

1. **Agenda Item 1.11** -- Resolution 214 (Rev. WRC-97) and Resolution 219 (WRC-97) (previously COM5-25)

The working group should consider additional allocations on a worldwide basis for the non-GSO MSS
The working group should review technical and regulatory constraints on existing non-GSO MSS allocations

The working group should study and develop recommendations on the performance requirements, sharing criteria and technical and operational issues relating to sharing between both the existing and planned services, and non-GSO MSS below 1 GHz.

The working group should study and develop recommendations on the implementation of interference mitigation techniques, such as the dynamic channel activity assignment system described in recommendation ITU-R M.1039-1.

The working group should study and develop recommendations on the non-GSO MSS allocation in the meteorological aids band 405-406 MHz and the impact on primary services allocated in the adjacent bands. Specifically, the group should:

- (a) work to define current and future spectrum requirements of MetAids in the 401-406 MHz band and to consider the possible transition of MetAids out of the 405-406 MHz Band.
- (b) work to define the impact of unwanted emission on the COSPAS-SARSAT system in the 406-406.1 MHz band and the radio astronomy services in the 406.1-410 MHz band and identify appropriate protection measure for these services.
- (c) closely coordinate its work on this item with Informal Working Groups 5.

2. **Agenda Item 3.5** -- Resolution 127 (WRC-97) (previously COM5-15)

The working group should study the operational and technical measures required

to facilitate sharing in portions of the band 1390-1400 MHz between existing and currently planned services and feeder links (Earth-to-space) for non-GSO MSS systems with service links below 1 GHz.

The working group should study the operational and technical measures required to facilitate sharing in portions of the band 1427-1432 MHz between existing and currently planned services and feeder links (space-to-Earth) for non-GSO MSS systems with service links below 1 GHz.

The working group should study operational and technical measures required to protect passive services in the 1400-1427 MHz band from unwanted emissions from feeder links near 1.4 GHz for non-GSO MSS systems with service links below 1 GHz .

3. **Agenda Item 3.4** -- Resolution 728 (WRC-97) (previously COM5-14)

The working group should study operational and technical means that may facilitate co-frequency sharing between narrow-band non-GSO MSS transmissions and the services to which the 470-862 MHz is allocated, including the bands where the broadcasting service is also allocated.

4. The working group will take into account the work underway in other domestic or international fora preparing for WRC-99, including ITU-R Sector Study Groups and associated sub-groups, and the CPM; CITEL Permanent Coordinating Committees; CEPT; APT; and other established groups developing either proposals for, or supporting positions for the WRC-99.
5. The IWG shall work in close cooperation with other relevant IWGs of the WRC-99 Advisory Committee in order to formulate comprehensive and consistent proposals for the adoption by the Committee as a whole. All issues that have impact on regulatory/procedural matters shall be referred to IWG-9.
6. As U.S. proposals are drafted by the IWG, a range of positions for use in negotiating the proposals, shall also be developed. Recommendations for proposals and positions shall be supported and justified by narrative text, as appropriate.
7. A strategy for gaining international acceptance of U.S. proposals shall be developed.
8. As WRC-97 proposals or comments relevant to the IWG-2 work program are received or are made available from international organizations and countries, or groups of countries, the IWG shall discuss and develop U.S. positions on them for use in bilateral discussions or negotiations, as appropriate.

General Notes:

1. Recommended proposals, positions and studies should be forwarded for consideration by the WRC-99 Advisory Committee as established by the IWG-2 Chair, Federal Officer and/or the WRC-99 Advisory Committee Chair. Other deadlines, for periodic full Committee reports for example, will be established by the WRC-99 Advisory Committee Chair.
2. Meeting minutes shall be written on a rotational basis by all IWG-2 participants. Posting of the meeting minutes on the FCC's WRC-99 WWW Homepage will be subject to approval by IWG-2.